L Number		Search Text	DB	Time stamp
1	4	5591963.pn.	USPAT;	2002/01/19 13:53
	ļ	·	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	İ
	3549	(("257/414").CCLS.) or (("257/428").CCLS.)	USPAT;	2002/01/19 16:17
2		or (("257/431").CCLS.) or	US-PGPUB;	1
		(("257/434").CCLS.) or (("257/444").CCLS.)	EPO; JPO;	<u> </u>
		or (("257/448").CCLS.) or	DERWENT;	İ
	·	(("257/449").CCLS.) or	IBM TDB	
		(("250/370.01").CCLS.)		
3	0	((("257/414").CCLS.) or	USPAT;	2002/01/19 15:36
	J	(("257/428").CCLS.) or (("257/431").CCLS.)	US-PGPUB;	
		or (("257/434").CCLS.) or	EPO; JPO;	
		(("257/444").CCLS.) or (("257/448").CCLS.)	DERWENT;	1
		or (("257/449").CCLS.) or	IBM TDB	1
1	,	(("250/370.01").CCLS.)) and (phosphor same	•	!
		wavelength adj conversion) and	1	:
		photoelectric adj conver\$3.ti,ab.		
. 4	5	((("257/414").CCLS.) or	USPAT;	2002/01/19 15:38
i i		(("257/428").CCLS.) or (("257/431").CCLS.)	US-PGPUB;	1
1 1		or (("257/434").CCLS.) or	EPO; JPO;	1
1 1		(("257/444").CCLS.) or (("257/448").CCLS.)	DERWENT;	•
		or (("257/449").CCLS.) or	IBM TDB	
		(("250/370.01").CCLS.)) and phosphor and		
'		photoelectric adj conver\$3.ti,ab.		
15	45	(photoelectric adj2 element or photodiode)	USPAT;	2002/01/19 15:41
		same wavelength adj conversion	US-PGPUB;	
' '			EPO; JPO;	13
1 . 1			DERWENT;	
			IBM TDB	
6	0	((("257/414").CCLS.) or	USPAT;	2002/01/19 15:42
		(("257/428").CCLS.) or (("257/431").CCLS.)	US-PGPUB;	1
		or (("257/434").CCLS.) or	EPO; JPO;	
		(("257/444").CCLS.) or (("257/448").CCLS.)	DERWENT;	
		or (("257/449").CCLS.) or	IBM TDB	
		(("250/370.01").CCLS.)) and (photoelectric		
		adj2 element or photodiode) same		
		wavelength adj conversion		
7	59	(phosphorous or phosphor) same wavelength	USPAT;	2002/01/19 15:43
,		adj conversion	US-PGPUB;	
•			EPO; JPO;	1
1 :			DERWENT;	i
			IBM TDB	1
8	10	(phosphorous or phosphor) same wavelength	USPAT;	2002/01/19 15:43
		adj conversion same (photodiode or	US-PGPUB;	
		photoelectric)	EPO; JPO;	
			DERWENT;	
		/ . h h	IBM TDB	2002/01/10 15:42
9	1	(phosphorous or phosphor) same wavelength	USPAT;	2002/01/19 15:43
1		adj conversion same (photodiode or	US-PGPUB;	
		photoelectric).ti,ab.	EPO; JPO;	
			DERWENT;	
	500	(#250/270, 00#), 607.2	IBM TDB	2002/01/19 16:18
10	530	("250/370.09").CCLS.	USPAT;	2005/01/13 10:18
i .			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	_		IBM TDB	2002/01/10 16 10
11	0	("L10 and idling adj mode").PN.	USPAT;	2002/01/19 16:18
			US-PGPUB;	
1		1	EPO; JPO;	1
			DERWENT;	
	_		IBM TDB	2002/01/10 16:10
12	0	(("250/370.09").CCLS.) and idling adj mode		2002/01/19 16:19
		1	US-PGPUB;	İ
i		1	EPO; JPO; DERWENT;	
1			1	1
		·	IBM TDB	<u></u>

13	34	(("250/370.09").CCLS.) and photoelectric	USPAT;	2002/01/19 16:19
1		and carrier	US-PGPUB;	
1			EPO; JPO;	İ
			DERWENT; IBM TDB	
1,1	14	(("250/370.09").CCLS.) and photoelectric	USPAT;	2002/01/19 16:20
14	14	and carrier and (potential same electrode)	US-PGPUB;	. 2002, 01, 13 10.20
		and Carrier and (potential same creations)	'EPO; JPO;	i
			DERWENT;	
1		! !	IBM TDB	
1 15	10	(("250/370.09").CCLS.) and photoelectric	USPAT;	2002/01/19 16:20
1	1	and carrier and (potential same electrode)	US-PGPUB;	
		and switch\$3	EPO; JPO;	
			DERWENT;	
	† *		IBM TDB	0000 (01 (10 11 16
-	0	("photoelectric adj convert\$3.clm.").PN.	USPAT;	2002/01/18 11:46
			US-PGPUB;	
	•		EPO; JPO;	
			DERWENT; IBM TDB	
	1198	photoelectric adj convert\$3.clm.	USPAT;	2002/01/17 08:51
-	1130	photoelectic adj convertos.cim.	US-PGPUB;	2002,01,1, 00.31
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	29	(photoelectric adj convert\$3.clm.) and	USPAT;	2002/01/17 09:42
		electrode adj layer.clm.	US-PGPUB;	
			EPO; JPO;	
1			DERWENT;	
	ı		IBM TDB	0000/01/15 00 55
l -	' 6	((photoelectric adj convert\$3.clm.) and	USPAT;	2002/01/17 09:57
•	!	electrode adj layer.clm.) and	US-PGPUB;	
		switching.clm.	EPO; JPO;	
ı	1	Í	DERWENT;	
	1.4	(("6191411") or ("6127684") or ("6034406")	IBM TDB USPAT	2002/01/17 10:40
-	14	or ("5914485") or ("5841180") or	USFAI	2002/01/1/ 10.40
i		("5812284") or ("5812109") or ("5335094")		
		or ("5317406") or ("5233442") or		
		("5272548") or ("5060040") or ("4926058")		
1	í	or ("4745488")).PN.		
-	41	(("4341954") or ("6191411") or ("6127684")	USPAT;	2002/01/17 13:39
		or ("6034406") or ("5914485") or	US-PGPUB;	
		("5841180") or ("5812284") or ("5812109")	EPO; JPO;	
1		or ("5335094") or ("5317406") or	DERWENT;	
		("5272548") or ("5233442") or ("5060040")	IBM TDB	
	_	or ("4926058") or ("4745488")).PN.	HODEM	2002/01/17 14:07
-	5		USPAT;	2002/01/17 14:07
		("6127684") or ("6034406") or ("5914485")	US-PGPUB; EPO; JPO;	
		or ("5841180") or ("5812284") or ("5812109") or ("5335094") or ("5317406")	DERWENT;	
1		or ("5272548") or ("5233442") or	IBM TDB	
1	•	("5060040") or ("4926058") or	10.1 100	
!	1	("4745488")).PN.) and 257/\$6.ccls.		!
1 -	. 0	("photoelectric.ti. and system.ti. and	USPAT;	2002/01/17 14:10
	1	converter.ti,ab.").PN.	US-PGPUB;	
ì		I	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	310	, .	USPAT;	2002/01/17 14:11
		converter.ti,ab.	US-PGPUB;	
		·	EPO; JPO;	
1	•	•	DERWENT;	1
1		photoelectric.ti. and system.ti. and	IBM TDB USPAT;	2002/01/17 14:17
-	4	converter.ti,ab. and switching and	US-PGPUB;	2002,01/1/ 14.1/
		injection adj blocking	EPO; JPO;	
	- 3	Injection and brocking	DERWENT;	
			IBM TDB	
L				

<u> </u>	357	("257/414").CCLS.	USPAT;	2002/01/17 14:18
	1		US-PGPUB;	
			EPO; JPO;	i '
			DERWENT;	!
i l			IBM TDB	0000/01/17 14 10
' – '	259 '	("257/428").CCLS.	USPAT;	2002/01/17 14:18
1 1			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
	1050	("257/431").CCLS.	USPAT;	2002/01/17 14:18
-	1052	("257/431").CCLS.	US-PGPUB;	2002/01/17 14:10
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	477	("257/434").CCLS.	USPAT;	2002/01/17 14:18
1 1	• • • •	(<u>20.</u> ,, ,	US-PGPUB;	
			EPO; JPO;	:
1			DERWENT;	
			IBM TDB	·
-	169	("257/444").CCLS.	USPAT;	2002/01/17 14:18
1			US-PGPUB;	
	ł		EPO; JPO;	
	İ		DERWENT;	
			IBM TDB	
-	660	("257/448").CCLS.	USPAT;	2002/01/17 14:18
			US-PGPUB;	
			EPO; JPO;	
•			DERWENT;	1
			IBM TDB	
-	193 !	("257/449").CCLS.	USPAT;	2002/01/17 14:19
	i		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	:
		(#050/070 01#) 0070	IBM TDB	2002/01/17 14:21
-	552	("250/370.01").CCLS.	USPAT;	2002/01/17 14:21
			US-PGPUB;	
			EPO; JPO; DERWENT;	
1	'		IBM TDB	
· ·	0	("L11 or L12 or L13 or L14 or L15 or L16	USPAT;	2002/01/17 14:21
	U	or L17 or L18").PN.	US-PGPUB;	1
		of Bir of Bio y.in.	EPO; JPO;	ř I
	İ		DERWENT;	
	,		IBM TDB	
-	427	((("257/414").CCLS.) or	USPAT; JPO	2002/01/17 14:23
	· /	(("257/428").CCLS.) or (("257/431").CCLS.)		
		or (("257/434").CCLS.) or		
		(("257/444").CCLS.) or (("257/448").CCLS.)		
		or (("257/449").CCLS.) or		
	l	(("250/370.01").CCLS.)) and	l and	
4		photoelectric.ti,ab.		
-	13	(((("257/414").CCLS.) or	USPAT; JPO	2002/01/17 14:23
		(("257/428").CCLS.) or (("257/431").CCLS.)		
	ļ	or (("257/434").CCLS.) or	-	
		(("257/444").CCLS.) or (("257/448").CCLS.)		
		or (("257/449").CCLS.) or		
		(("250/370.01").CCLS.)) and		
		photoelectric.ti,ab.) and blocking adj2		
	_	layer	HCDAM.	2002/01/17 14:22
-	5	((insulating or insulator) near10	USPAT;	2002/01/17 14:32
	,	blocking) near10 layer and ((("4341954")	US-PGPUB;	
		or ("6191411") or ("6127684") or	EPO; JPO;	
1	•	("6034406") or ("5914485") or ("5841180") or ("5812284") or ("5812109") or	DERWENT;	1
		or ("5812284") or ("5812109") or ("5272548")	: IDM IDD	•
		or ("5233442") or ("5060040") or		
• •	,	("4926058") or ("4745488") or ("6245601")	1	
	1	or ("6075256") or ("5767560") or	i	
	ľ	("5352921") or ("5101255") or		
1	!	("4811069")).PN.)		
L		(101100) // 1111/	<u> </u>	I

Or ("603406") or ("5914405") or ("5912109") JPO: ("541180") or ("5812109") Or ("5811200") Or ("5811305994") or ("5317406") or ("5300040") Or ("4745468") or ("675256") or ("7475468") or ("675256") or ("7475468") or ("675256") or ("7475468") or ("675256") or ("7475468") or ("675256") or ("7517560") Or ("751742") CCLS.) or ("757742") CCLS.) or ("757744") CCLS.) or ("757745") CCLS.) or ("757745") CCLS.) or ("757745") CCLS.) or ("757745") CCLS.) or ("757745") CCLS.) or ("757745") CCLS.) or ("757745") CCLS.) or ("757745") CCLS.) or ("757745") CCLS.) or ("757745") CCLS.) or ("757745") CCLS.) or ("757744") CCLS.) or ("757744") CCLS.) or ("757744") CCLS.) or ("757744") CCLS.) or ("757744") CCLS.) or ("757744") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577447") CCLS.) or ("7577437") CCLS.)				
("5541180") or ("5312284") or ("5812109") or ("5317406") or ("5712548") or ("5317406") or ("5060040") or ("4326058") or ("432605") or ("3060040") or ("432605") or ("432605") or ("507255") or ("535292") or ("535292") or ("535292") or ("535292") or ("535292") or ("621750") or ("6175725") or ("61757428").CCLS.) or (("2577428").CCLS.) or (("2577448").CCLS.) or ("2577448").CCLS.) or ("257748").CCLS.) or ("257748.) or ("257748").CCLS.) or ("257748.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("257748").CCLS.) or ("2577448").CCLS.) or ("2577428").CCLS.) or ("2577448").CCLS.) or ("2577438").CCLS.) or ("2577438")	44	(("4341954") or ("6191411") or ("6127684")	USPAT;	2002/01/17 14:43
or ("5335994") or ("5317406") or ("5060040") or ("49250588") or ("4745488") or ("6072556") or ("7567560") or ("6072552921") or ("6072552921") or ("6072552921") or ("5101255") or ("7577560") or ("5152921") or ("5101255") or ("7577481").PN. 93 ((("72577414").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or (("2577448").CCLS.) or ("2577448").CCLS.) or ("257745 and lamin\$5 conver\$4.ti,ab. and blocking USPAT; JPO 2002/01/17 200	İ			
("5272548") or ("5233442") or ("5060040") or ("4926058") or ("474588") or ("75474588") or ("7535921") or ("6015256") or ("535921") or ("6015256") or ("535921") or ("6015256") or ("535921") or ("6101555") or ("4811069")).PN. ("257428").CCLS.) or (("257448").CCLS.) or ("257448").CCLS.) or ("257444").CCLS.) or ("257445").CCLS.) or ("257445").CCLS.) or ("257456.ccls.) or 25745.ccls.) or ("257456.ccls.) or ("257448").CCLS.) or ("	1			
("6245601") or ("6017256") or ("51767560") or ("5152921") or ("6101255") or ("61767560") or ("5152921") or ("6101255") or ("61767560") or ("61767428").CCLS.) or (("2577428").CCLS.) or (("2577428").CCLS.) or (("2577444").CCLS.) or (("2577444").CCLS.) or (("2577444").CCLS.) or (("2577444").CCLS.) or (("2577444").CCLS.) or (("2577448").CCLS.) or (("2577448").CCLS.) or (("2577448").CCLS.) or (("2577448").CCLS.) or (("2577448").CCLS.) or ("2577444").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("257746.") or ("257746.") or ("257746.") or ("257746.") or ("257746.") or ("257746.") or ("257746.") or ("257746.") or ("257746.") or ("257746.") or ("257746.") or ("257746.") or ("257748") or ("257748") or ("257748") or ("257748") or ("257748") or ("257748") or ("257748") or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577444").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577444").CCLS.) or ("2577444").CCLS.) or ("2577444").CCLS.) or ("2577444").CCLS.) or ("2577444").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577444").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577448").CCLS.) or ("2577431").CCLS.) or ("2577434").CCLS.) or ("2577434").CCLS.) or ("2577431").CCLS.) or ("2577434").CCLS.) or ("2577431").CCLS.) or ("2577434").CCLS.) or ("2577431").CCLS.) or ("2577431")	1			
or ("5532921") or ("5101255") or ("4811069").PN. 93 (((("257/414").CCLS.) or (("257/431").CCLS.) or (("257/431").CCLS.) or (("257/431").CCLS.) or (("257/448").CCLS.) or ("257/448").CCLS.) or ("257/448").CCLS.) 1 switching and (idling or recess\$2) and refresh\$3 and (photoelectric or photoe-electric) adj2 conver\$3. switch\$3 and photoelectric adj2 conver\$3. switch\$3 and photoelectric adj2 conver\$3. switch\$3 and photoelectric adj2 conver\$3. switch\$3 and photoelectric adj2 conver\$3. switch\$3 and photoelectric adj2 conver\$3. switch\$3 and photoelectric adj2 conver\$3. switch\$3 and photoelectric adj2 conver\$3. switch\$3 and photoelectric adj2 conver\$3. switch\$3 and switch\$3 or reset\$4 or idl\$3 or scop\$4\				,
"4811069").P.N.				1
C(("257/414").CCLS.) or ("257/431").CCLS.) or ("257/438").CCLS.) or ("257/448").CCLS.)	1			
	93		USPAT; JPO	2002/01/17 15:58
(("257/444").CCLS.) or (("257/448").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.) or (("257/448").CCLS.)) and photoelectric.ti,ab.) and lamins5 conver\$4.ti,ab. and blocking conver\$4.ti,ab. and blocking uspat; properties uspat; pr				
or ("257/449").CCLS.) or ("250/7400.0").CCLS.) and ("250/36.Ccls.) and photoelectric.ti,ab.) and lamin\$5 78 schotky adj barrier and photoelectric adj conver\$4.ti,ab. 111 schotky adj barrier and photoelectric adj conver\$4.ti,ab. and blocking 112 switching and (idling or recess\$2) and refresh\$3 and (photoelectric or photo-electric) adj2 conver\$3. 113 switch\$3 and photoelectric adj2 conver\$3. switch\$3 and photoelectric adj2 conver\$3.ti,ab. and (250/\$6.ccls. or 257/\$6.ccls.) 11 switch\$3 and photoelectric adj2 conver\$3.ti,ab. and (250/\$6.ccls. or 257/\$6.ccls.) 12 switch\$3 and photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4 or idi\$3 or stop\$4) same switch\$3 and (250/\$6.ccls. or 257/\$6.ccls.) 13 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4 or idi\$3) and (250/\$6.ccls. or 257/\$6.ccls.) 14 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) same switch\$3 same (stop\$4 or idi\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 15 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 15 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 16 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 17 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) or ("257/\$6.ccls.) or ("257/\$4.2").CCLS.)		or (("257/434").CCLS.) or		
(("257/414").CCLS.) and photoelectric.ti, ab.) and lamin\$5				
- motorelectric.ti.ab.) and lamins5 78 schotky adj barrier and photoelectric adj conver\$4.ti.ab. 111 schotky adj barrier and photoelectric adj conver\$4.ti.ab. and blocking 112 schotky adj barrier and photoelectric adj conver\$4.ti.ab. and blocking 113 switching and (idling or recess\$2) and refresh\$3 and (photoelectric or photo-electric) adj2 conver\$3.ti.ab. and photoelectric adj2 conver\$3.ti.ab. and photoelectric adj2 conver\$3.ti.ab. and (250/\$6.ccls. or 257/\$6.ccls.) 12 57/\$6.ccls.) 13 switch\$3 and photoelectric adj2 conver\$3.ti.ab. and (250/\$6.ccls. or 257/\$6.ccls.) 14 conver\$3.ti.ab. and (refresh\$3 or reset\$4 or idi\$3 or stop\$4) same switch\$3 and photoelectric adj2 conver\$3.ti.ab. and (refresh\$3 or reset\$4 or idi\$3 or stop\$4) same switch\$3 and (refresh\$3 or reset\$4 or idi\$3 or stop\$4) same switch\$3 and (refresh\$3 or reset\$4 or idi\$3 or stop\$4) same switch\$3 and (250/\$6.ccls. or 257/\$6.ccls.) 15 photoelectric adj2 conver\$3.ti.ab. and (refresh\$3 or reset\$4) same switch\$3 same (stop\$4 or idi\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 16 photoelectric adj2 conver\$3.ti.ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idi\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 17 photoelectric adj2 conver\$3.ti.ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idi\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 18 photoelectric adj2 conver\$3.ti.ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idi\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 2 jp=06233197\$-\$.did. 2 jp=06233197\$-\$.did. 2 jp=06233197\$-\$.did. 2 jp=06233197\$-\$.did. 2 jp=06233197\$-\$.did. 2 jp=06233197\$-\$.did. 2 jp=06233197\$-\$.did. 2 jp=06233197\$-\$.did. 2 jp=06233197\$-\$.did. 2 jp=06233197\$-\$.did. 3 jp=06233197\$-\$.did. 3 jp=06233197\$-\$.did. 3 jp=06233197\$-\$.did. 4 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did. 5 jp=06233197\$-\$.did.	i			
conver\$4.ti,ab. schottky adj barrier and photoelectric adj conver\$4.ti,ab. and blocking switching and (idling or recess\$2) and refresh\$3 and (photoelectric or photo-electric) adj2 conver\$3 uspat; JPO 2002/01/17		photoelectric.ti,ab.) and lamin\$5		
11 schottky adj barrier and photoelectric adj convers4 ti,ab. and blocking switching and (idling or recess\$2) and refresh\$3 and photoelectric or photo-electric) adj2 convers3 switch\$3 and photoelectric adj2 conver\$3. ti,ab. switch\$3 and photoelectric adj2 conver\$3. ti,ab. and (250/\$6.ccls. or 257/\$6.ccls.) 50 switch\$3 and photoelectric adj2 conver\$3. ti,ab. and (refresh\$3 or reset\$4 or idl\$3 or stop\$4) and (250/\$6.ccls. or 257/\$6.ccls.) 1	78		USPAT; JPO	2002/01/17 16:00
Conver\$4, ti_ab_ and blocking Switching and (idling or recess\$2) and refresh\$3 and (photoelectric or photo-electric) adj2 conver\$3 USPAT; JPO 2002/01/17			HCDATT. TDO	2002/01/17 16:17
switching and (idling or recess\$2) and refresh\$3 and (photoelectric or photo-electric) adj2 conver\$3 switch\$3 and photoelectric adj2 conver\$3.ti,ab. switch\$3 and photoelectric adj2 conver\$3.ti,ab. and (250/\$6.ccls. or 257/\$6.ccls.)	1 11		USPAI; JPO	2002/01/17 10.17
refresh\$3 and (photoelectric or photo-electric) adj2 conver\$3 switch\$3 and photoelectric adj2 conver\$3.ti,ab. 99 switch\$3 and photoelectric adj2 conver\$3.ti,ab. and (250/\$6.ccls. or 257/\$6.ccls.) 50 switch\$3 and photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4 or id1\$3 or stop\$4) and (250/\$6.ccls. or 257/\$6.ccls.) 257/\$6.ccls.) 9 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4 or id1\$3 or stop\$4) same switch\$3 and (250/\$6.ccls. or 257/\$6.ccls.) 9 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) same switch\$3 same (stop\$4 or id1\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 1 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or id1\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 1 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or id1\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 2 jp-06233197\$-\$.did. 5 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or id1\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 1 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or id1\$3)) and (250/\$6.ccls. or ("257/434").CCLS.) or ("257/444").CCLS.) or ("257/434").CCLS.) or ("257/434")	1		USPAT; JPO	2002/01/17 16:20
- 613 switch\$3 and photoelectric adj2 conver\$3.ti,ab. switch\$3 and photoelectric adj2 conver\$3.ti,ab. and (250/\$6.ccls. or 257/\$6.ccls.) - 50 switch\$3 and photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4 or idl\$3 or stop\$4) same switch\$3 and (250/\$6.ccls. or 257/\$6.ccls.) - 30 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4 or idl\$3 or stop\$4) same switch\$3 and (250/\$6.ccls. or 257/\$6.ccls.) - 30 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) same switch\$3 same (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) - 10 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) - 257/\$6.ccls.) - 257/\$6.ccls.) - 3 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) - 5 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 5 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 5 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 5 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 5 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 5 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 7 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 8 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 6 refresh\$3 or reset\$4 or idl\$3) near15 switch\$3 near15 (stop\$4 or idl\$3) near15 switch\$3 near15 (stop\$4 or idl\$3) near15 switch\$3 near15 (stop\$4 or idl\$3) near15 switch\$3 near15 (stop\$4 or idl\$3) near15 switch\$3 near15 switch\$3 near15 (stop\$4 or idl\$3) near15 switch\$3 near15 switch\$3				
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99	613		USPAT; JPO	2002/01/17 16:21
Conver\$3.ti,ab. and (250/\$6.ccls. or 257/\$6.ccls.) Switch\$3 and photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4 or idl\$3 or stop\$4) and (250/\$6.ccls. or 257/\$6.ccls.) 33 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4 or idl\$3 or stop\$4) same switch\$3 and (250/\$6.ccls. or 257/\$6.ccls.) 3 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) same switch\$3 same (refresh\$3 or reset\$4) same switch\$3 same (refresh\$3 or reset\$4) same switch\$3 same (refresh\$3 or reset\$4) same switch\$3 same (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 1 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 2 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 2 photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) supparting the photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) supparting the photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) supparting the photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) supparting the photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) supparting the photoelectric adj2 conver\$4 (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) supparting the photoelectric adj2 conver\$4 (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) supparting the photoelectric adj2 conver\$4 (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) supparting the photoelectric adj2 conver\$4 (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) supparting the photoelectric adj2 conver\$5 (refresh\$3 or reset\$4 or idl\$3 (refresh\$3 or reset\$4 or idl\$3 (refresh\$3 or reset\$4 or idl\$3 (refresh\$3 or reset\$4 or	99		USPAT: JPO	2002/01/17 16:24
257/\$6.ccls.) 50) 9	conver\$3.ti,ab. and (250/\$6.ccls. or		
conver\$3.ti,ab. and (refresh\$3 or reset\$4 or idl\$3 or stop\$4) and (250/\$6.ccls. or 257/\$6.ccls.) 33 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4 or idl\$3 or stop\$4) same switch\$3) and (250/\$6.ccls. or 257/\$6.ccls.) 4 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) same switch\$3 same (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 5 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) hear15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 5 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) hear15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) 6 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) 7 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) 8 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) 9 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) 1 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) 2 pp-06233197\$-\$.did. 3 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) 4 photoelectric adj2 conver\$3.ti,ab. and (spen\$2 per\$2 p		257/\$6.ccls.)		
or idl\$3 or stop\$4) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4 or idl\$3 or stop\$4) same switch\$3) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) same switch\$3 same (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) converter ("257/448").ccls.) or ("257/431").ccls.) or ("257/448").ccls.) or ("257/431").ccls.) or ("257/448").ccls.) or ("257/431").ccls.) or ("257/448").ccls.) or ("257/448").ccls.) or ("257/431").ccls.) or ("257/448").ccls.) or ("257/431").ccls.) or	50	switch\$3 and photoelectric adj2	USPAT; JPO	2002/01/17 16:29
257/\$6.ccls.) 33 photoelectric adj2 conver\$3.ti,ab. and	:	conver\$3.ti,ab. and (refresh\$3 or reset\$4	•	
33 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4 or idl\$3 or stop\$4) same switch\$3) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) same switch\$3 same (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) uspat;	1			
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- 3 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) same switch\$3 same (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3))	1	((refresh\$3 or reset\$4 or idl\$3 or stop\$4)		
- 3 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) same switch\$3 same (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) - 1 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) - 5 photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 2 jp-06233197\$-\$.did. - 2 jp-06233197\$-\$.did. - 3 (("257/414").CCLS.) or ("257/431").CCLS.) or (("257/428").CCLS.) or (("257/448").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.) or (("257/448").CCLS.) or (("257/448").CCLS.) or (("257/448").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or ("257/434").CCLS.)				
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(stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) USPAT; USPGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; JPO ("257/428").CCLS.) or ("257/448").CCLS.) or ("257/448").CCLS.) or ("257/448").CCLS.) or ("257/448").CCLS.) or ("257/449").CCLS.) or ("257/448").CCLS.) or ("257/434").CCLS.) or ("257/431").CCLS.) or ("257/434").CCLS.) or ("257/431").CCLS.) or ("257/434").CCLS.) or ("257/431").CCLS.)	3		USPAI, UPU	2002/01/17 10.57
257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 2 jp-06233197\$-\$.did. 5 ((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/434").CCLS.) or (("257/444").CLS.) or (("257/444").CLS.) or (("257/444").CLS.) or (("257/444").CLS.) or (("257/449").CLS.) or (("257/449").CLS.) or (("257/449").CLS.) or (("257/449").CLS.) or (("257/449").CLS.) or (("257/444").CLS.) or (("257/434").CLS.) or				
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near15 (stop\$4 or idl\$3)) and (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; JPO DERWENT; IBM TDB USPA	1		USPAT; JPO	2002/01/17 16:49
- 5 (250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) - 2 jp-06233197\$-\$.did. - 2 jp-06233197\$-\$.did. 5 ((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/444").CCLS.) or (("257/434").CCLS.) or				
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((refresh\$3 or reset\$4) near15 switch\$3 US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; JPO	5		USPAT;	2002/01/17 17:21
DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; JPO 5 ((("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and (reverse near10 voltage) and photoelectric adj2 converter 6 (("257/414").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.)		((refresh\$3 or reset\$4) near15 switch\$3		
- 2 jp-06233197\$-\$.did. IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; JPO 2002/01/17 (("257/428").CCLS.) or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/444").CCLS.) or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and (reverse near10 voltage) and photoelectric adj2 converter G (("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.) or (("257/431").CCLS.)		near15 (stop\$4 or idl\$3))		
- 2 jp-06233197\$-\$.did. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; JPO			ł .	
US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; JPO Or (("257/434").CCLS.) or (("257/448").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.)) and (reverse near10 voltage) and photoelectric adj2 converter Of (("257/414").CCLS.) or (("257/431").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or	2	ip-06233197\$-\$.did.		2002/01/17 17:22
DERWENT; IBM TDB USPAT; JPO 5 ((("257/434").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and (reverse near10 voltage) and photoelectric adj2 converter 6 ((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or	-	1		
S	1	i		; ; ;
5 ((("257/414").CCLS.) or (("257/431").CCLS.) or (("257/428").CCLS.) or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/449").CCLS.) or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and (reverse near10 voltage) and photoelectric adj2 converter 6 ((("257/414").CCLS.) or (("257/431").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.)				
(("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and (reverse near10 voltage) and photoelectric adj2 converter - ((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or		((("257/414") CCIS) or		2002/01/17 17:51
or (("257/434").CCLS.) or (("257/448").CCLS.) or (("257/444").CCLS.) or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and (reverse near10 voltage) and photoelectric adj2 converter -	, 5		35171, 010	2002,01,1, 1,.01
(("257/444").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and (reverse near10 voltage) and photoelectric adj2 converter ((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or		or (("257/434").CCLS.) or		
(("250/370.01").CCLS.)) and (reverse near10 voltage) and photoelectric adj2 converter ((("257/414").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/434").CCLS.) or		(("257/444").CCLS.) or (("257/448").CCLS.)		
near10 voltage) and photoelectric adj2 converter ((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or	j			
converter - ((("257/414").CCLS.) or ("257/431").CCLS.) or (("257/428").CCLS.) or ("257/431").CCLS.)				
- ((("257/414").CCLS.) or ("257/431").CCLS.) or (("257/428").CCLS.) or (("257/434").CCLS.) or		1		
or (("257/434").CCLS.) or	. , 0	((("257/414").CCLS.) or	USPAT; JPO	2002/01/17 17:51
(("257/444").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.) or		or (("257/444").CCLS.) or (("257/448").CCLS.)	~	
(("250/370.01").CCLS.)) and ((reverse				
near12 voltage) near12 switch\$3) and		near12 voltage) near12 switch\$3) and		
photoelectric adj2 converter		photoelectric adj2 converter		

	1	0	((("257/414").CCLS.) or	USPAT; JPO	2002/01/17 17:52
,	i	i	(("257/428").CCLS.) or (("257/431").CCLS.)		
			or (("257/434").CCLS.) or (("257/444").CCLS.)		į
1	•	,	or (("257/449").CCLS.) or	!	•
1	. 1	1	(("250/370.01").CCLS.)) and ((reverse	;	
	t	i	near15 voltage) near15 switch\$3) and	'	•
i	1	_ :	photoelectric adj2 converter	NODAM. IDO	2002/01/17 17.52
-		0	((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.)	USPAT; JPO	2002/01/17 17:53
			or (("257/434").CCLS.) or		
			(("257/444").CCLS.) or (("257/448").CCLS.)		
		ŀ	or (("257/449").CCLS.) or		
			(("250/370.01").CCLS.)) and ((reverse		
			<pre>near15 (polarity or voltage)) near15 switch\$3) and photoelectric adj2 converter</pre>		
-	1		((("257/414").CCLS.) or	USPAT; JPO	2002/01/17 17:53
I	1	٠,	(("257/428").CCLS.) or (("257/431").CCLS.)	, ,	•
			or (("257/434").CCLS.) or	. 1	
1	j	İ	(("257/444").CCLS.) or (("257/448").CCLS.)		
:			or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and ((reverse		
i	i		near15 (polarity or voltage or bias))		
			near15 switch\$3) and photoelectric adj2		
			converter		2002/01/12 11 52
-		23	plurality adj2 photoelectric adj	USPAT; US-PGPUB;	2002/01/18 11:52
!			conver\$3.clm.	EPO; JPO;	
1	٠ ١			DERWENT;	
				IBM TDB	
-		2	plurality adj2 photoelectric adj	USPAT;	2002/01/18 11:54
			conver\$3.clm. and switch\$3.clm.	ÚS-PGPUB; EPO; JPO;	
				DERWENT;	
				IBM TDB	
¦ -	1	2	plurality adj2 photoelectric adj	USPAT;	2002/01/18 11:54
			conver\$3.clm. and switch\$3.clm. and	US-PGPUB;	
			switch\$3 and conver\$3	EPO; JPO; DERWENT;	
i				IBM TDB	
-		3419	(("257/414").CCLS.) or (("257/428").CCLS.)	USPAT; JPO	2002/01/18 13:30
1	ı	i i	or (("257/431").CCLS.) or		
!	1	! !	(("257/434").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.) or		
			or (("257/448").CCLS.) or (("257/449").CCLS.) or		
1	·		(("250/370.01").CCLS.)		
; -			((("257/414").CCLS.) or	USPAT; JPO	2002/01/18 13:34
			(("257/428").CCLS.) or (("257/431").CCLS.)		
			or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.)		
		· '	or (("257/444").CCLS.) or	1	
			(("250/370.01").CCLS.)) and plurality adj2		
			photoelectric adj2 conver\$3 and switch\$3		
			and (matrix or matrices)	USPAT; JPO	2002/01/18 13:35
-		U	((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.)	OSEMI, UPO	2002/01/10 13.33
		l	or (("257/434").CCLS.) or		
			(("257/444").CCLS.) or (("257/448").CCLS.)		
İ		ĺ	or (("257/449").CCLS.) or		
			(("250/370.01").CCLS.)) and plurality adj2		
¦ _	!) 91	photoelectric adj2 conver\$3 and switch\$3 plurality adj2 photoelectric adj2 conver\$3	USPAT;	2002/01/18 14:23
1			and switch\$3	US-PGPUB;	
				EPO; JPO;	
1	I	[1		DERWENT;	
•	'	· .	(mlumality adi2 photoslastmic adi2	IBM TDB USPAT;	2002/01/18 15:01
-		5	(plurality adj2 photoelectric adj2 conver\$3 and switch\$3) and (common with	US-PGPUB;	2002/01/10 13.01
į			electrode)	EPO; JPO;	
	ì	1	,	DERWENT;	
				IBM TDB	

	0 photoelectric adj converter.ti,ab. and	USPAT;	2002/01/18 15:04
	signal adj process\$3 and signal adj	US-PGPUB;	
	(acquisition or recorder or recording) and	EPO; JPO;	
	signal adj display	DERWENT;	į
		IBM TDB	1
-	0 (photodiode or photoelectric adj	USPAT;	2002/01/18 15:05
	converter).ti,ab. and signal adj process\$3	US-PGPUB;	
	and signal adj (acquisition or recorder or	EPO; JPO;	i
	recording) and signal adj display	DERWENT;	•
		IBM TDB	
_	177 (photodiode or photoelectric adj	USPAT;	2002/01/18 15:06
	converter).ti,ab. and signal and process\$3	US-PGPUB;	
	and (acquisition or recorder or recording)	EPO; JPO;	
	and display	DERWENT;	
		IBM TDB	1
_	25 (photodiode or photoelectric adj	USPAT;	2002/01/18 15:08
•	converter).ti,ab. and (signal same	US-PGPUB;	i
	(processing or processor) same	EPO; JPO;	
	(acquisition or recorder or recording)	DERWENT;	
	same display)	IBM TDB	
_	7 (photodiode or photoelectric adj	USPAT;	2002/01/18 17:40
	converter).ti,ab. and (signal with	US-PGPUB;	
	(processing or processor) with	EPO; JPO;	
	(acquisition or recorder or recording)	DERWENT;	
	with display)	IBM TDB	
_	1 6277665.pn.	USPAT;	2002/01/18 17:55
		US-PGPUB;	1
		EPO; JPO;	1
		DERWENT;	1
		IBM TDB	4